

REMARKS

Claims 1, 2, 5-13 and 16-25 were previously pending. Claims 1, 12, 13, 20 and 25 are amended. No claims are canceled or added by this amendment. Claims 1, 2, 5-13 and 16-25 remain pending.

Examiner Interview

Applicant thanks the Examiner for the personal interview on May 17, 2006 wherein an agreement on the claims was reached. However, upon further review, Applicant has only included a portion of the amendments discussed. For example, incorporating the subject matter of claims 8 and 9 into claim 1 was discussed in the interview. However, Applicant has incorporated the subject matter of claim 8 into claim 1.

This is due to the description in the specification (paragraph [0032]) that states that a node-addressable portion of a mobile computing device network address can be derived using a portion of a hash of a public key of the mobile computing device, with or without first appending a modifier to the public key.

Claim 8 previously recited the limitation of using a portion of the hash value of the public key. This limitation is now included in claim 1. The previous limitation recited in claim 9 – that the hash is taken of a combination of the public key and a modifier – is now included in claim 8 and has not been incorporated into claim 1 as was discussed in the interview.

The amendments are discussed in greater detail below.

35 U.S.C. § 103 Rejections

Claims 1, 2, 5-13 and 16-25 stand rejected under 35 U.S.C. 103(a) as being anticipated by U.S. Patent No. Re. 36,946 to Diffie, et al. (hereinafter "Diffie") in view of Greg O'Shea, "Child-proof Authentication for MIPv6 (CAM)", (ACM SIGCOMM Computer Communication Review, Vol. 31, Issue 2, April 2001) (hereinafter "O'Shea").

As previously discussed, the publication date of O'Shea – originally thought to be in early 2000 is actually 4/2001, as indicated above. The present application was filed 04/12/2001. Therefore, O'Shea was not published more than one year prior to the date of the present application and, hence, is not prior art under Section 103(a).

Claim 1 has been amended to include the limitation previously included in claim 8. Particularly, claim 8 recited that a node-selectable portion of the network address was created by taking a portion of a value obtained by hashing the public key of the mobile computing device. That particular limitation is now included in claim 1, as amended.

Claim 1 is limited to using only a portion of the result of hashing the public key. Diffie does not teach or anticipate this feature. Accordingly, claim 1 is allowable over the cited art and the rejection of claim 1 should be withdrawn.

Claims 2, 5-7 and 10-11 depend from claim 1 and are allowable at least by virtue of that dependency. Accordingly, the rejection of these claims should be withdrawn.

Claim 8 has been amended to recite that the node-selectable portion further comprises a hash value of a composite of the public key and a modifier.

As stated in the specification, this can be done to avoid the derivation of a network address that is already in use by another device.

Claim 9 has been amended to recite that the use of the modifier only occurs if deriving the node-selectable portion by taking a portion of the result of hashing the public key creates an address conflict with another device.

Claim 12 has been amended so that it now includes a limitation similar to the limitation discussed above for claim 1. Specifically, claim 12 recites that a node-selectable portion of the network address is derived by taking a portion of a value that results from hashing the public key of the mobile computer. It is noted that only a portion of the hash value is utilized and that the cited reference does not, at least, teach or suggest this limitation.

Accordingly, claim 12 is allowable over the cited art and the rejection of claim 12 should be withdrawn.

Claim 13 has also been amended to recite a limitation that a node-selectable portion of the network address of the mobile computing device is derived by hashing the public key and taking a portion of the result thereof as the node-selectable portion. By the same rationale previously discussed, this renders claim 13 allowable over the cited art. Accordingly, the rejection of claim 13 should be withdrawn.

Claims 16–19 depend from claim 13 and are allowable at least by virtue of that dependency. Therefore, the rejection of these claims should be withdrawn.

In addition, claim 17 has been amended to recite appending a modifier to the public key before taking the hash value thereof. Claim 18 has been amended to recite that the modifier is used only in the event that hashing the

public key alone results in a network address that conflicts with a network address already in use.

For these additional reasons, claims 16 and 17 are allowable over the cited art.

Claims 20 and 25 have been similarly amended to recite that a node-selectable portion of the network address of the mobile computing device is derived by taking a portion of a hash value of the public key of the mobile computing device. By the same rationale discussed above, this renders these claims allowable over the cited art. Accordingly, the rejection of these claims should be withdrawn.

Claims 21-24 depend from claim 20 and are allowable at least by virtue of that dependency. Accordingly, the rejection of these claims should also be withdrawn.

CONCLUSION


In view of the foregoing remarks, this application should now be in condition for allowance. A notice to this effect is respectfully requested. If the Examiner believes, after this response, that the application is not in condition for allowance, the Examiner is encouraged to call the Applicant's attorney at the telephone number listed below.

If this response is not considered timely filed and if a request for an extension of time is otherwise absent, Applicant hereby requests any necessary extension of time. If there is a fee occasioned by this response, including an extension fee, please charge any deficiency to **Deposit Account No. 50-0463**.

Respectfully submitted,

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